



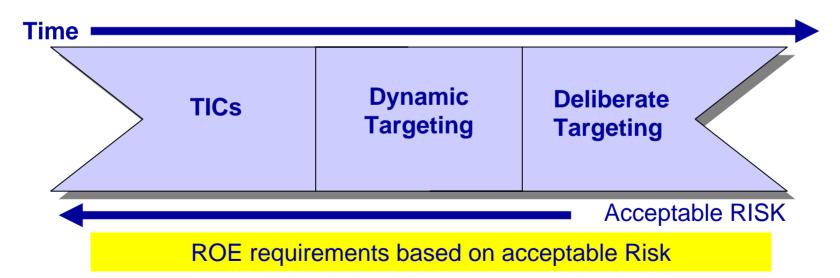
Find...Fix...Target...Track...Engage...Assess





Operational Level How do we add value?

- Three distinct categories of Targets:
 - Troops in Contact (TICs)
 - Dynamic Targeting
 - **Deliberate Targeting**



UNCLASSIFIED



MQ-9 vs ACM

Date: 23 Nov 07

Operation: OEF

Aircraft: MQ-9

Weapon: GBU-12

Location: IVO Anaconda Fire

Base, Afghanistan



Claw 01 was retasked by Taipan to support a TIC IVO Anaconda Fire Base. Reports that friendlies were being engaged; ACM were observed moving north tactically along the creek bed. Claw 01 was cleared to engaged on the north edge of the east to west running river.



Troops in Contact

- Presence ~ single digit minutes
 - Iraq = typical <10 minutes</p>
 - Afghanistan = < 20 Minutes
- Precise Information—Rover/Targeting Pods/Comms
- Weapon Flexibility
- Theater Air Control System



(ROVER) Remotely Operated Video Enhanced Receiver

<u>Airborne imagery direct to the warfighter!</u>

Advanced Targeting Pods

Advanced Targeting Pods UAVs, F-16, F-18, A-10, GR-7 and P-3 C-130 Scathe View







A-10 vs IED Cache

Date: 21 Oct 07

Operation: OIF

Aircraft: A-10C

Weapon: 2 x GBU-38

Location: IVO Fallujah, Iraq



2x A-10Cs assigned to the 104 EFS destroy a building containing an IED cache using GBU-38s north of Fallujah, Iraq. The GBU-38 impacts resulted in the destruction of the building and denied materials to the enemy.



Dynamic Targeting

"Time Sensitive" vs. Inside the ATO cycle

- Collateral Damage Estimate
 - **■** Formal or Field?
- Weaponeering
- No Strike List?
- Airspace clearance



Airpower in Joint Military Operations Big Sky Theory







AIRSPACE CONTROL "another viewpoint"





Deliberate Targeting

- Integrated and Synchronized Effects
 Space—ISR—Electronic Attack—CSAR
 - Airspace clearance
 - **Collateral Damage Estimate**
 - Weaponeering
 - No Strike List?

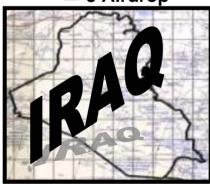


1 Year CFACC Roll-Up by Operation

28 February 2007 – 1 March 2008

IRAQ

- 67,169 Sorties
 - 18,952 (Strike)
 - **2,248 TICs**
 - 1,119 SoFs
 - 1,265 Wpns Employed
 - 3,820 (EW)
 - 6,969 (ISR)
 - **7,774 (Tanker)**
 - 29,654 (Tac Airlift)
 - 5 Airdrop





SORTIE TOTAL 98,703

<u>AFGHANISTAN</u>

- **31,534 Sorties**
 - **10,317 (Strike)**
 - **2,073 TICs**
 - 1,493 SoFs
 - 2,975 Wpns Employed
 - 1,926 (EW)
 - 3,730 (ISR)
 - **6,573 (Tanker)**
 - **■** 8,988 (Tac Airlift)
 - 463 Airdrops





Points to ponder

- Innovations and Evolving Capabilities
 - **■** Fast-moving target destruction
 - **■** Positive identification (PID)
 - Low collateral damage employment
 - UAS Integration

